BRAEMAR
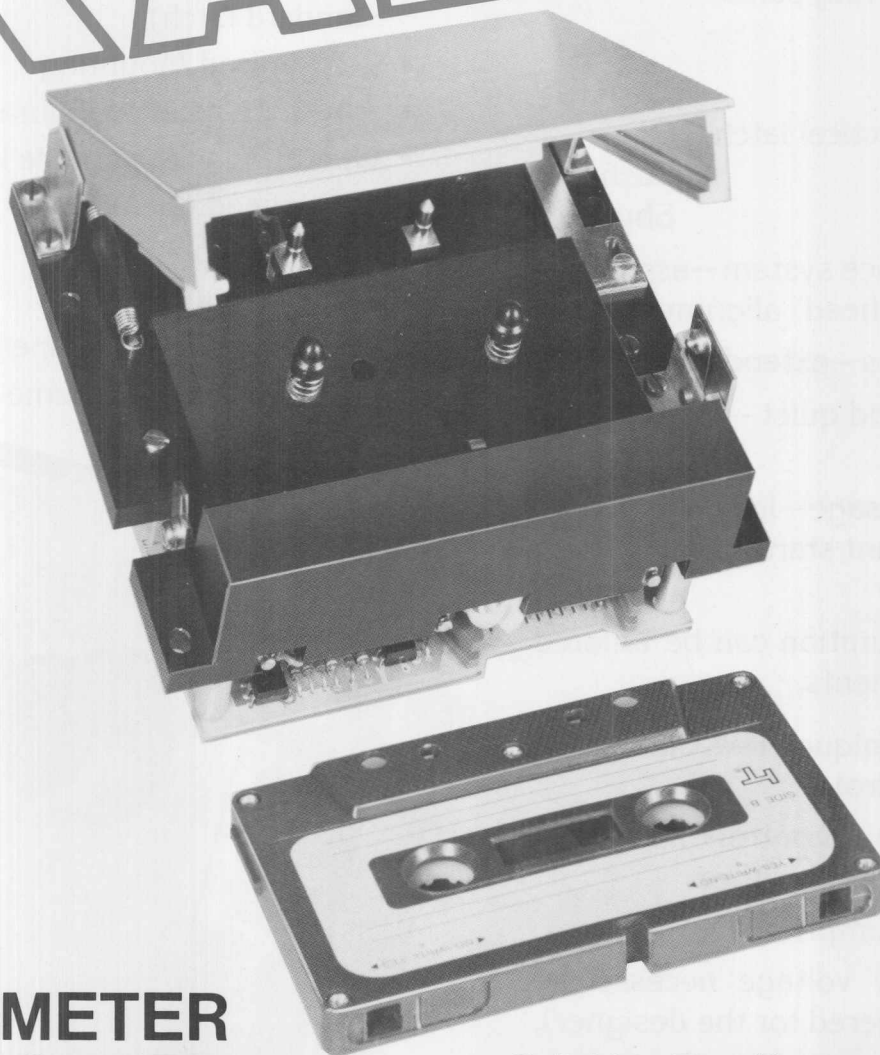
TACHOMETER CONTROLLED DIGITAL CASSETTE TAPE TRANSPORT MODEL CD 200

- Reliable—Two Moving Parts
- "Accu-Rate"—Unique Tape Speed Control*
- Small Rugged and Quiet
- Only One Supply Voltage Required
- Dramatically Increased Tape Storage
- "Pops"—The Practical Latch

*Pat. Pend.

TRANSPORT
FEATURES

"Engineered with the designer in mind."

**Innovative and Refined
Mechanical Design.**

- High reliability—virtually maintenance free, just two moving parts (the motors).

- "Pops"™ The practical latch.   Push to Open Push to Shut

- Machined guidance system—assures positive "tape to head" alignment.

- Gentle tape forces—extended tape life.

- Small compact and quiet—rugged yet simple.

- Maximum tape usage—low inertia motors give instant start/stop and short IRG.

- Mounting configuration can be tailored for your requirements.

"Accu-Rate"™ A Unique New Concept in Tape Speed Control.*

- Reliable electronic control—best performance by far for the price.

- Low power consumption.

- Only one supply voltage necessary— (again it is engineered for the designer).

- Both channels available for data.

- Total remote control capabilities, TTL/CMOS compatible.

*Patent pending.

OPTIONS*

- Cassette side (A,B) sensor.
- Interlock to prohibit cassette release during operation.
- Electronic door release (in lieu of standard latch).
- Customized Mounting.
- Alternate head configurations.
- Operation with variable length tapes.
- High speed operation.
- 115 VAC operation.
- Tape viewing window.
- Fixed stop to determine tape side.
  *Available on volume orders.

TRANSPORT
SPECIFICATIONS

- **PERFORMANCE**

  Read/write speeds: 10 IPS to 20 IPS. (10 IPS standard)

  Start time, read/write: 10 MS to 25 MS* @ 10 IPS.
  Stop time, read/write: 10 MS to 40 MS* @ 10 IPS.
  Start distance, read/write: .05" to .25"* @ 10 IPS.
  Stop distance, read/write: .05" to .25"* @ 10 IPS.
  Search speed: 75 IPS average.
  Start time, search: 60 MS to 100 MS.*
  Stop time, search: 100 MS to 150 MS.*
  Start distance, search: 2.5" to 5".*
  Stop distance, search: 1.5" to 4.5".*
  Search/rewind time for 300 ft. tape: 40 sec.
  Short term speed accuracy (jitter): ±5% @ 10 IPS.
  Long term speed accuracy: ±2% @ 10 IPS.
  IRG: .15" to .5" @ 10 IPS.*

  *Depending on cassette and tape distribution within cassette.

- **TAPE MEDIA**

  Certified computer grade digital cassette.
  Tape length: 300 ft. standard.

- **FUNCTIONAL**

  Number of heads: One.
  Tracks per head: Two.
  Operating Modes: Bi-directional search and read/write speeds.
  Motor Drive Transport: Reel to reel drive, two DC servo controlled motors.

- **ELECTRICAL**

  Supply voltage: 14-30 VDC, only source required.
  Source ripple: Peak limits must fall within supply voltage specifications.
  Source current: 750 MA maximum, 300 MA nominal.
  Power consumption: 5 watts nominal, @ 15 VDC.
  Head input characteristics: 42 ohms and 16 mh.
  Head output characteristics: 10 to 20 MV @ 10 IPS and 800 BPI.
  Interconnect cables: Supplied with unit.

- **STATUS AND CONTROL**

  Remote control: All functions controllable from a remote source.
  Signal levels: All TTL/CMOS compatible.
  Cassette presence signal.
  BOT/EOT signal: (Indicates clear leader or pierced tape).
  Tape location signal: (Indicates if tape used is greater than 50%).
  File protect signal.
  Tape motion signal.

- **PHYSICAL AND ENVIRONMENTAL**
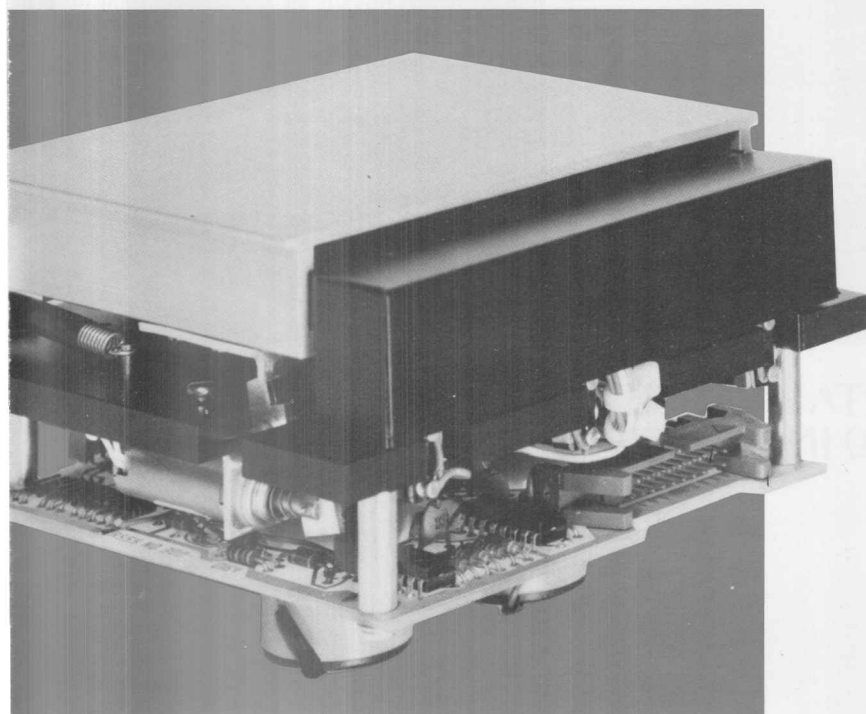
  Dimensions: 4.65" x 4.9" x 3.5" (HWD).
  Weight: 2 lbs.
  Operating position: Any orientation.
  Operating temperature: +50° F to +140°F.
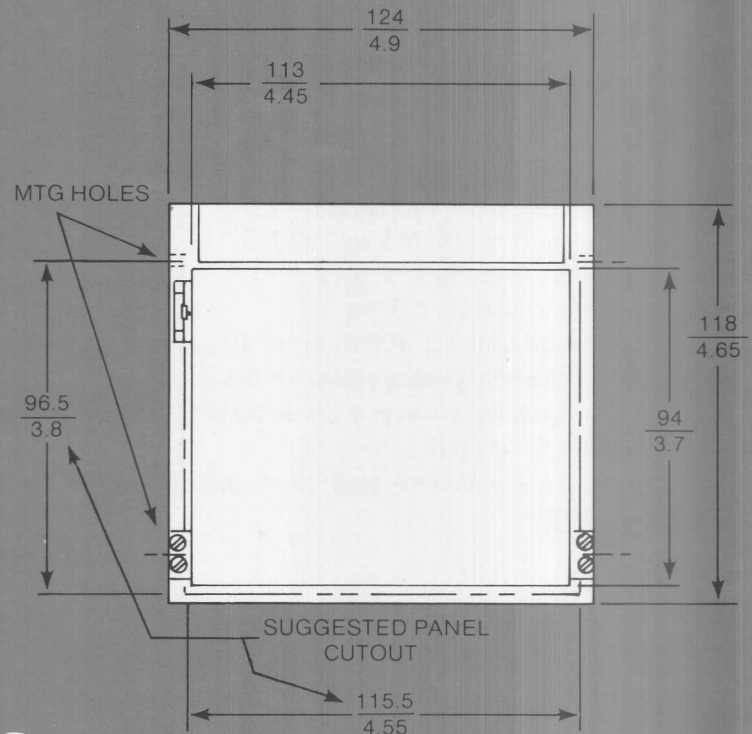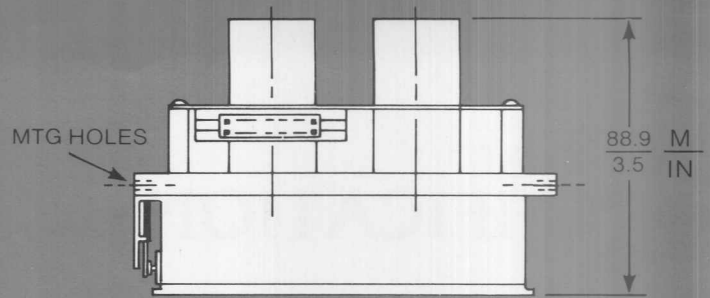 Storage temperature: −40°F to +160°F.
  Operating humidity: 20% to 95% (non-condensing).

BRAEMAR, THE DIGITAL CASSETTE PEOPLE
— OVER 30,000 IN THE FIELD —

INPUT/OUTPUT SIGNALS

- Forward - Reverse
- Fast - Slow
- Stop - Go
- File Protect
- Tape Location
- Cassette Presence
- Tape Motion
- Clear Leader
- Power Input (+14 to + 30 VDC)
- Power Ground
- Chassis Ground
- Solenoid Power (Optional)
- Cassette Length (Optional)
- Cassette Side (Optional)
- +5 Volt Output (@ 250 MA)

MTG HOLES

$\frac{88.9}{3.5}$ $\frac{M}{IN}$

$\frac{124}{4.9}$

$\frac{113}{4.45}$

MTG HOLES

$\frac{118}{4.65}$

$\frac{96.5}{3.8}$

$\frac{94}{3.7}$

SUGGESTED PANEL CUTOUT

$\frac{115.5}{4.55}$

BRAEMAR

COMPUTER

DEVICES, INC.

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